

DERWENT- 1996-410871

ACC-NO:

DERWENT- 199641

WEEK:

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**TITLE:** Device for measuring level of water in steam generator drum - has vertical vessel with additional pipe connected to upper part of water enclosure of drum at position lower than level position at nominal regime of operation

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**PATENT-ASSIGNEE:** TARANKOV G A[TARAI]

**PRIORITY-DATA:** 1986SU-4072918 (May 30, 1986)

**PATENT-FAMILY:**

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1464619 A1	January 20, 1996	N/A	003	F22D 005/00

**APPLICATION-DATA:**

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1464619A1	N/A	1986SU-4072918	May 30, 1986

**INT-CL (IPC):** F22D005/00, G01F003/10

**ABSTRACTED-PUB-NO:** SU 1464619A

**BASIC-ABSTRACT:**

The lower and upper pipes (4,3) of vertical vessel (2) contg. water level sensors (6), are connected resp. with the lower part of the water and upper part of the steam enclosures of the drum. The pipe (5) is connected to the upper part of the water enclosure of the drum at a point located lower than the level in the nominal regime of operation.

A divider (7) with a breather pipe (10) is mounted below pipe (5). The sensors (6) produce signals linked to the oscillations of the physical level in the drum. When the level is located above pipe (5) the level in the upper part of vessel (2) directly characterises the physical level in the drum without correction for the magnitude of the mass level in the drum.

**USE/ADVANTAGE** - In atomic power plants. Improves accuracy of measurement. Bul. 2/20.1.96

**CHOSEN-** Dwg.2/2

**DRAWING:**

**TITLE-** DEVICE MEASURE LEVEL WATER STEAM GENERATOR DRUM VERTICAL VESSEL ADD PIPE CONNECT  
**TERMS:** UPPER PART WATER ENCLOSURE DRUM POSITION LOWER LEVEL POSITION NOMINAL REGIME  
OPERATE

